

What Is Claimed Is:

1. A connection element configured for measuring force by a displacement between a magnet (4) and a magnetic field sensor suite (7),  
wherein the magnetic field sensor suite (7) is supported on a holder (5) in such a way that the magnetic field sensor suite (7) is positioned into the zero line (18) of the magnetic field of the magnet (4) by a movement of the holder (5).
2. The connection element as recited in Claim 1,  
wherein the holder (5) has a spring element (8) so that the holder (5) is moved by a linear displacement, the clearance between the magnet (4) and the magnetic field sensor suite (7) being kept constant.
3. The connection element as recited in Claim 2,  
wherein the spring element (8) is part of a sheet (13),  
the sheet (13) being integrated in a plastic part of the holder (5).
4. The connection element as recited in Claim 1,  
wherein the holder (5) has a rounded form (14) in one region, so that the holder (5) is moved by a rotation.
5. The connection element as recited in Claim 4,  
wherein the holder (5) has at least three deformable webs (16) in the region (14).
6. The connection element as recited in one of the preceding claims,  
wherein the holder (5) has a symmetrical design und

includes inserts (6) to which the magnetic field sensor suite (7) is directly connected.

7. A method for positioning a magnetic field sensor suite (7) into the zero line (18) of a magnetic field of a magnet (4) in a connection element used for measuring force by a displacement between the magnet (4) and the magnetic field sensor suite (7), a holder (5) on which the magnetic field sensor suite (7) is situated being moved in such a way that the magnetic field sensor suite (7) is positioned into the zero line (18) and the holder (5) with the connection element is then affixed.
8. The method as recited in Claim 7,  
wherein the holder (5) is joined to the connection element by laser welding.